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10/676,373	09/30/2003	Stefan Jesse	09700.0216-00	3224
60668 7590 09/07/2010 SAP / FINNEGAN, HENDERSON LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413				
EXAMINER VU, TUAN A				
ART UNIT 2193		PAPER NUMBER		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/676,373

Applicant(s)

JESSE ET AL.

Examiner

TUAN A. VU

Art Unit

2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 7/19/10.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,4,6-10,12,14-18 and 23-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,4,6-10,12,14-18 and 23-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB06)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ ~~Notes of Informal Patent Application~~
- 6) ☐ Other: _____

DETAILED ACTION

1. This action is responsive to the Applicant's response filed 7/19/2010.

As indicated in Applicant's response, no claims have been amended. Claims 1, 3-4, 6-10, 12, 14-18, 20-26 are pending in the office action.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3-4, 6-10, 12, 14-18, 23-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kadel et al, USPubN: 2002/0184401 (hereinafter Kadel), in view of Severin, USPubN: 2005/0005251 (hereinafter Severin).

As per claim 1, Kadel discloses a computer-readable storage device storing a computer program product, for deriving a metadata API from a metamodel in order to develop developing an application, the computer program product being operable to cause data processing apparatus to:

receive the metamodel in a first language, the metamodel describing a diagram of classes that define the development objects, the first model defining the development objects representing building blocks for developing the application (e.g. Fig. 3B; para 0117-0126, pg. 8-9 – Note: XIS framework – see Fig. 3A - implementing InfoBean model of source/consumer components and/or meta-relationships expressed within the XIS mediator paradigm, the relationships describing the bean/domain related diagram representation thereof – see: *chart*

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diagram, graphical mode - para 0094, pg. 6; Domains, policies, relationships - para 0096-0097, pg. 7-- represented in blocks or sequence diagrams, or domain relationships in relation to consumer/producer interaction – see Fig. 13; UML - see Fig. 8, 11 - **reads on** first metamodel in first language, the first language, for example, as unified modeling language as linked building blocks for developing application -- Fig. 8, 11, 13, 36C-D);

generate a set of intermediate objects to represent the classes of the metamodel (e.g. Fig. 5; para 0194-0198, pg. 15; *JavaBeans ... package com.xis.leif.event ... includes interfaces* - para 0210-0213, pg. 16; *domain policy methods ... returned ... procedural components of the metadata and methods* - para 0334, pg. 29); and

generate the API using the set of intermediate objects as inputs, wherein the API is for accessing the development objects to develop the application(e.g. Add resource class, loads other pluggable services into pluggable manager – Fig. 29; para 0344, pg. 29; *Java interfaces ... instantiate the appropriate bean* -para 0349-0350 pg. 30; *exposing attributes, Java introspection* - para 0129-0135 pg. 9 – Note: using Java introspection class to generate method for accessing other properties **reads on** using intermediate objects as inputs into the creating API to access development objects).

Kadel does not explicitly disclose instructions to convert the metamodel to a model description in a second language according to an interchange format, nor does Kadel explicitly disclose generating intermediate objects by parsing the model description.

Kadel discloses deriving Java objects association with XML constructs or schema (para 0297-0306,pg. 23-25), implementing a “Domain Policy” using XIS framework and DSI interface to expose java objects based on metadata relationship information derived for a domain (see Fig.

13; para 0193, 0203, pg. 4; Fig. 14, 36A-B), relationship to implement the required data flow between source and consumer. Accordingly, Kadel discloses database for assisting the DSI in form of extensible markup *schema* (e.g. para 0288-0304, pg. 24; para 0084-0085, pg. 5) or descriptive language describing said *Domain Policy* attributes or typemetadata, attribute relationship or dependency, or declaration constraints; that is, the meta data representing a application domain such that Java related beans – or intermediate Java objects - exposed by the DSI (see para 0311-0312, pg. 26) in Kadel's XIS framework are represented in this XML schema form, which can, in reverse, be **imported back** into a framework (see Kadel: para 0083, pg. 5; *XML schema ... sends to the receiver ... receiver reconstructs the information* - para 0305, pg. 25) its content exposed by the XML-DSI (para 0318, pg. 26) in relation to the database (Fig. 30). Hence the deriving of Java classes based on domain XML as a bi-directional interchange with the corresponding UML is suggested (see Kadel: Fig. 13). The interchangeability of XML and UML in terms of mapping of UML constructs into XML schema and vice versa was well-known and disclosed in Severin. Following to this concept of Kadel's UML/XML interchangeability, Severin discloses UML constructs (Severin: Fig. 4-8), with use of XML metasyntax and XMI methodology (Severin: *XMI* - para 0184, pg. 15) to represent this extensible meta language in terms of definitions, inter-relationships or constraints (e.g. Severin: zero-to-many, metahints, relationship, constraint, datatype – see para 0139-0148, pg. 11-12) reading a persisted model (para 0508, pg. 41) and re-mapping metamodel data and corresponding UML package constructs (MVC para 0107-0108, pg. 8; Fig. 32) to derive underlying Java classes or package (para 0196, pg. 16; para 0107-0108, pg. 8). That is, the well-known W3C XMI methodology in terms of data interchange description -- or a second model -- based on a first

model (e.g. UML as in Kadel) including model description language to correlate with XML components is evidenced in Severin 's (XML, XMI - para 0184, pg. 15) where rediscovery based on such XMI model description enable remapping into XML elements which are derived for further development; e.g. mapping for developing Java objects or classes, APIs for some domain application. Based on the UML constructs and derived class objects as taught in Kadel's use of the DSI approach and XML processor (XML stream 3002, XML Processor – Fig. 30) the tight association between meta-information and the deriving of Java objects from XML model as shown in Kadel and the XMI implementation as taught in Severin to enable rediscover content of a XML model, it would have been obvious for one skill in the art at the time the invention was made to implement Kadel's XML schema as first metamodel so that a transformation to this model yield a XML-compliant model supported via a XMI (interchange format) whereby exposing the UML instance (see Severin) and underlying Java objects as taught above, because this second model would be used to better collect and identify objects (deriving of UML and underlying Java objects therefrom – see Kadel: Fig. 13; i.e. deriving intermediate objects from that interchange format) exposed from the first model received in a portable schema stream format using the W3C methodology and its useful techniques supporting this XML/model interchangeability as this is also perceived in Kadel, and Severin.

As per claim 3, Kadel discloses wherein the second language comprises XML (refer to the rationale in claim 1 addressing XMI/XML deriving of Java objects).

As per claim 4, Kadel discloses wherein the first language comprises UML (refer to claim 1).

As per claims 6-7, Kadel discloses wherein the first language comprises a customizable extension (e.g. Fig. 3A; `addOneOfNService` – Fig. 3B; Fig. 5; 36C-36D; para 0136 pg 9; Fig. 29); wherein the customizable extension is used to implement an additional feature of the API (refer to claim 1 based on `addPluginService` – Fig. 29).

As per claim 8, Kadel does not explicitly disclose wherein the additional feature comprises an indication of a file border. Kadel discloses API for JPanel package that operates on GUI component in terms of resizing, repainting, reshaping, paint Border, set Bounds, set Opaque (see JComponent, awt.Container, awt.Component - Fig. 33E) hence the identification of Gui file border in order to manipulate its graphic content is disclosed. And it would have been obvious for one skill in the art at the time the invention was made to implement the java libraries in view of the user manipulation, so that a feature included in the API would include a file border as set forth from the above, because this would help identify the target file upon which *awt* operation or painting methods would be defined.

As per claim 9, Kadel does not explicitly disclose wherein the API comprises a copy and paste operation. Kadel discloses XIS framework enabling editing of commands on GUI componetns, whereby the user can instantiate operation provided by the JAF API (see para 0349-0359, pg. 30; `canPaste()` Fig. 33b; `cut(clipboard)` Fig. 33c). Based on the copy-and-paste nature of the user operations to manipulate metadata attributes pertinent to a source/consumer scenario (see *cut and paste* - para 0335-0344, pg. 29) and to translate the user-customized parameters in a Java code procedure, it would have been obvious for one skill in the art at the time the invention was made to implement the XIS framework so that metadata and exposed Java classes libraries in view of JAF API (Fig. 33) are combined to support the creation of API type of operation to

actually edit the attributes or manipulate exposed meta hierarchy using the standard GUI fabric (e.g. via copy paste functions of GUI components), because this would constitute efficient use of metadata and reusable Java packages whose utilization would be consistent with the extensibility aspect of the XIS framework, the extensive editing role played by user (Fig. 37A-D), and the availability of JAF API as set forth above.

As per claim 10, Kadel discloses a computer-readable storage device storing a computer program product for deriving a metadata API from a metamodel in order to develop developing an application, the computer program product being operable to cause data processing apparatus to:

receive the metamodel in a first language, the metamodel describing a diagram of classes that define the development objects, first model defining the development objects representing building blocks for developing the application (refer to claim 1) , wherein the first language comprises unified modeling language;

generate a set of intermediate objects to represent the classes of the metamodel (refer to claim 1); and

generate the API with an XML schema using the set of intermediate objects as inputs such that the XML schema enables implementing the development objects (refer to claim 1).

Kadel does not explicitly disclose convert the metamodel first model to a model description that describes the metamodel second model in a second language according to an interchange format, wherein the second language comprises XML, nor does Kadel explicitly disclose generating a set of intermediate objects by parsing the model description.

But the tight relationship between XML and derived objects represented by UML via a interchange format enabling a bi-directional interchange (using XMI) mechanism whereby UML objects and derived XML objects (or model description) can be converted from one another, based on the parsing of XML/UML data via the interchange format, has been addressed as obvious in claim 1.

As per claim 12, refer to the rationale in claim 1 and 10 for the XMI/XML limitation.

As per claim 14, Kadel discloses wherein the set of intermediate objects comprises Java objects (refer to claim 10).

As per claim 15, Kadel discloses (by virtue of XMI, domain schema and XML derivation from XMI, as set forth in claim 10), wherein the XML schema includes a tree based on aggregation relationships in the metamodel (Note: schema derived from original UML reads on tree based on aggregation in the metamodel, itself formulated as UML building blocks modeling language)

As per claims 16-17, Kadel does not explicitly disclose wherein the XML schema includes a reference based on an association relationship in the first model, and wherein the XML schema includes a complex type extension based on an inheritance relationship in the first model. UML as shown in Kadel includes association relationship and inheritance relationship (Fig. 3B; para 0080, pg. 5 para 0198-0200, pg. 15) when exposing meta-attributes related to the source/consumer model and data dependency flow. Based on Severin meta integration requiring mapping of complex association with need for new type creation (complex , new type - para 0086, 6; para 0186) among UML type hierarchies, it would have been obvious for one skill in the art at the time the invention was made to implement the XML schema intended to be reused in a

XIS framework so that reference to association relationship to a UML and complex type extension are also represented in order to address the type extension and association needed within defined UML hierarchy, as by the mapping and integration (as in Severin) wherein integrating the schema would need to address complex processes requiring extension into new complex types.

As per claim 18, Kadel discloses a computer-readable storage device storing a computer program product for deriving metadata API from a metamodel in order to develop developing an application, the computer program product being operable to cause data processing apparatus to:

receive the metamodel describing a diagram of classes (refer to claim 1) that define the development objects, the metadata model defining development objects representing building blocks for developing the application (refer to claim 1);

generate a set of intermediate objects to represent the classes of the metamodel (refer to claim 1);

derive the API based on the set of intermediate objects and use the API to perform operations on the development objects to develop the application (refer to claim 1 or 10).

Kadel does not explicitly disclose generate an XMI model that is a representation of the metamodel according to an interchange format; nor does Kadel explicitly disclose generating intermediate objects by parsing the XMI model using an XML parser. But the limitations such as a XMI model as interchange format for deriving objects therefrom using a XML parser have been addressed as a combined rationale in claim 1.

As per claim 23, Kadel (by virtue of Severin) discloses wherein the metamodel is stored one storage module (schematized structures -- representing a UML model, imported into a XIS

framework – see Kadel: para 0083 pg. 5- reads on UML first model document being stored in a file system of a framework or integration memory)

As per claim 24, refer to claim 23.

As per claims 25-26, Kadel discloses wherein the set of intermediate objects comprises Java objects (refer to claim 14).

1. Claims 20-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kadel et al, USPubN: 2002/0184401, and Severin, USPubN: 2005/0005251; further in view of Hejlsberg et al, USPN: 6,920,461 (hereinafter Hejlsberg)

As per claims 20-21, Kadel discloses operations to include creating a new development object as a transient object without an existing corresponding file (.g. para 0312 pg. 26 – Note: creating of template then use it for adding/deleting Fig. 29-31; Fig. 33 – reads on transient object without a persistent file); but does not explicitly disclose modifying the transient object until the transient object is committed to a persistent file; and to destroy the transient object if a delete command is requested before the transient object is committed to a persistent file.

Kadel discloses code implemented to match SQL queries using XML elements to instantiate application to interface with database (para 0300-0310, pg. 25) where code to implement requires pluggable service and attribute conversion using JAF collaboration of classes with editing capabilities (Fig. 29-31; Fig. 33) wherein user's deleting, adding of data is effectuated via a template usage (para 0312 pg. 26) all of which data being temporary until determination to commit such implementation. Hejlsberg discloses a development application interface (analogous to Kadel) operating on layers or namespaces that expose class libraries or enumeration of related data structures or code constructs or tables (see Hejlsberg: col. 6; Fig. 2).

Accordingly, Hejlsberg discloses application code instantiation from the libraries of reuse classes or OO packages (e.g. C++, Jscript, Microsoft “.NET” APIs) including UI objects with procedures to save a view, to customize drawing or drag-drop (col. 7, lines 48-62; col 8 lines 22-50) and a SQL namespace to interface with a database (col. 8 line 50 to col 9 line 11) including procedures to validate proper constructs, for implementing operations as to commit, dispose, rollback, save, accept/reject changes, cancel Edit (RejectChanges, acceptChanges – col 55; commit, delete, rollback – col. 57; CancelEdit col. 64; Delete, AcceptChanges – col. 65; Dispose, Finalize – col. 289; Commit, Dispose, Rollback, Save - col. 326). Based on methods based on reuse libraries to implement API in terms of constraints as in Severin and Kadel and the intended framework enabling users to decide whether how to add/remove or commit template/transient data/objects, it would have been obvious for one skill in the art at the time the invention was made to implement the code or APIs based on core libraries as practiced in both Kadel and Hejlsberg, such that a transient object in the process of validating data, information, and implementation details as taught in Kadel’s user-driven customization approach (e.g. using template) would be supported by capability to create APIs with methods to destroy a transient object or to commit it to a persistent form, as taught in Hejlsberg from above. One would be motivated to do this (i.e. create APIs by the user to destroy a transient object if it is not made for persistence committing) because that way the created APIs would enable changes caused by a customization view in Kadel’s approach to detect errors prior to commit, and allowing removal of undesired implementation gathering of data, whereby obviate potential runtime errors should actual translation of uncorrected constructs become finalized.

As per claim 22, Kadel does not explicitly disclose instructions to mark the persistent file as deleted if a delete command is requested after the transient object is committed to a persistent file. Based on Hejlsberg's DB-related method to indicate that change data is not accepted or that a transient form of changes is committed, or to rollback otherwise (e.g. RejectChanges, acceptChanges – col 55; commit, delete, rollback – col. 57), the notion of keeping a change with persisting of a accepted version along with removing an older version is suggested. Hence, this method as to mark an older file/record as deleted after a persisting operation has been completed (by creating a new file) would have been obvious in view of the requirement to reconcile persisted data (e.g. DB records, not keeping two records with same identification) rationale as set forth above.

Response to Arguments

4. Applicant's arguments filed 7/19/2010 have been fully considered but they are not persuasive. Following are the Examiner's observation in regard thereto.

USC § 103 Rejection

(A) Applicants have submitted that contrary to Examiner's allegations, the "InfoModel" wrapping object included in the API 112 communicating Source and Consumer component does not constitute a model that 'describe diagram of classes that define the development objects' as recited in claim 1, nor does this source component relates to 'building blocks' for developing the application because information retrieved by the source component is already developed modular code (Applicant's Remarks bottom pg. 2 to top pg. 3). There is no restrictive to the graphical mode by which consumer objects in Kadel can be presented (see para 0094) for a Project in Microsoft Corp, for they are software components being implemented within Kadel's mediation

layer; and in particular, Kadel discloses a Infobean objects examples of such consumer components. Further relationships among these components are supported by the XIS framework in terms of domain metadata and attributes relationships, for which Kadel depicts diagrams in Figure 3A-3B. In terms of the claim language in regard to 'metamodel', this limitation amounts to a first language metamodel that describe a diagram of classes, and this exactly the graphical representation shown in Kadel that 'describes' relationship among objects of the InfoBean example(i.e. source components). The "infoModel" is only a API wrapper object (para 0109) that enables information for a given data source to be retrieved as this data source (Infobean objects of Figure 3) is being processed with the developmental mediator layer context of the XIS framework (Figure 2), hence is not cited in the Rejection as being a *metamodel in a first language* or a API development console for constructing graphical blocks, as alleged in the arguments. The language reciting metamodel is construed as a *first language* that describes diagram of classes constituting a model; and relationships between these diagrams are shown in Fig. 3 and Figure 13 where consumer objects can be diagrams 1315, 1325, 1335; i.e. the first language being the metadata language which a wrapper API or introspection invocation would be required to discover. The XIS framework is intended to mediate metainformation of a source to a destination object, and it is based on extensible language interchange methodology for development endeavor using wrapper or introspection mechanism to obtain extensible classes' attributes or domain meta-information to implement communication model involving source and consumer objects. The metamodel written in a meta-information specification format to depict objects (e.g. bean objects) in the XIS framework being graphical diagrams has been evidenced in

Kadel, the like of which being UML diagrams (UML - see Fig. 8, 11; Fig. 3A); hence the limitation 'metamodel... describing a diagram of classes' is deemed fulfilled.

(B) The argument that 'source component' are not block diagrams but mere software code already created is not convincing; nor is the argument that 'infoModel' being a code wrapper cannot a graphical API to develop blocks remotely persuasive; that is, it would be hard pressed for one to see how any particular language of claim 1 dictates a graphical environment for creating models which are visually displayed as diagram blocks and that are not ready code but merely declarative graphical entities. Applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the reference.

(C) Besides, the argument appears to attack Kadel individually, and analyze Severin (Applicant's Remarks bottom pg. 3) as though Severin's approach were taken completely dissociated from the development context or endeavor of Kadel. The rationale of obviousness has been based on specific prongs associating teachings of Kadel to those of Severin, and one cannot see how the subject matter rendered by the 103 rejection would be non-obvious when the argument ignore the prongs set forth in the rationale. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

In all, the claims stand rejected as set forth in the Office Action.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A Vu whose telephone number is (571) 272-3735. The examiner can normally be reached on 8AM-4:30PM/Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis Bullock can be reached on (571)272-3759.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3735 (for non-official correspondence - please consult Examiner before using) or 571-273-8300 (for official correspondence) or redirected to customer service at 571-272-3609.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Tuan A Vu/

Primary Examiner, Art Unit 2193

September 03, 2010